Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/11/2020 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126615	1	3.26	126652	3.27
Blue	F	SSC	125000	125121	0	1.82	125805	1.82
Blue	E	FITC	15892	15543	-3	2.92	339	21.09
Blue	D	PE	29999	29391	-3	2.01	639	15.78
Blue	B	PerCP-Cy5-5	43732	43353	-1	3.83	1158	21.78
Blue	A	PE-Cy7	30845	30895	0	6.47	585	44.51
Red	C	APC	46112	44612	-4	2.50	1574	12.25
Red	A	APC-Cy7	30458	29531	-4	2.40	786	12.15
Violet	B	V450	7918	7563	-5	4.58	431	13.68
Violet	A	V500	32171	30892	-4	4.34	725	10.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16932	18.59	658	37	N/A	N/A	Pass
Blue	F	SSC	57488	1.36	588	29	N/A	N/A	Pass
Blue	E	FITC	60	72.41	555	12	0.0194	282	Pass
Blue	D	PE	134	53.06	561	13	0.1406	273	Pass
Blue	B	PerCP-Cy5-5	214	53.02	669	13	0.0079	51	Pass
Blue	A	PE-Cy7	109	111.68	715	17	0.0093	21	Pass
Red	C	APC	378	25.72	587	3	0.0241	177	Pass
Red	A	APC-Cy7	174	28.43	559	3	0.0052	663	Pass
Violet	B	V450	66	64.56	457	-1	0.0546	2927	Pass
Violet	A	V500	108	38.17	473	-1	0.0243	1581	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.59	-31.97	1.08
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	16.21	13.60 - 20.40	N/A	N/A	29.31	29.83	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9617

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments